

A HAND-LIST OF THE SNAKES OF THE INDIAN EMPIRE.

By

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(Continued from page 24 of this Volume.)

PART V.

Family.—COLUBRIDÆ—(Continued.)

Series.—PROTEROGLYPHA.

Sub-family.—HYDROPHIINÆ.

Genus.—HYDRUS Schneider,

Genus.—NAIA, Laurenti.

288. (486) *Naia hannah* (Cantor). *The Hamadryad or King Cobra.*Ophiophagous elaps. *Phipson, Bomb. N. H. J. Vol II, p 245.*

Naia bungarus. Acton and Knowles, Jourl. Ind. Med. Res. 1914, p 52; Aitken, Bomb. N. H. J. Vol XIV, p 629; Annandale, J.A.S., Beng., 1905, p 176; Bannerman, Bomb. N. H. J. Vol XV, p 407, Boulenger, Cat. Vol III, 1896, p 386; Craddock, Bomb. N.H.J. Vol XV, p 143; Evans, Bomb. N. H. J. Vol XIV, p 409; Fenton, Bomb. N. H. J. Vol XXV, p 151; Ferguson, Bomb. N. H. J. Vol X, p 75, Millard, Bomb. N. H. J. Vol XIV, p 395; Noble, Bomb. N. H. J. Vol XV, 358; Parshad, Bomb. N. H. J. Vol XXIII, pp 585; Primrose, Bomb. N. H. J. Vol XII, p 589; Sarasin, Zool. Jahr. Jena, 1910, p 144; Sclater, List. Sn. Ind. Mus. 1891, p 59; Wall and Evans Bomb. N. H. J. Vol XIII, pp 348 and 616; Wall, Bomb. N. H. J, Vol XVII, p 303; l. c. Vol XVIII, p 331; l. c. Vol XIX, pp 355. 841 and 900; l. c. Vol XXVI, p 575; Pois., Sn. Brit. Ind. 1907, p 26; l. c. 1908, p 33; l. c. 1913, p 31; Wasey. Bomb. N. H. J., Vol VII, p 257.

*Hamadryas vittatus. Blyth, Andaman Islanders, p 365.*Ophiophagous bungarus. *Beddard, P. Z. S. 1904, p 355.**Lepid.*—4,700 mm. (15 feet, 5 inches).

Lepid.—Costals. Two heads-lengths behind the head 19 or 17, midbody 15, two heads-lengths before the vent 15. Ventrals. 225 to 262. Sub-caudals. 76 to 117.

Distn.—Peninsular India. Hills or their near vicinity. Western Himalayas. Eastern Himalayas. Bengal. Assam. Burma. Andamans. Malay Peninsula. Indo-China. S. China. Malay Archipelago. Philippines.

289. (485) *Naia naia* (Linné). *The Cobra.*

N. tripudians. Abercromby, Sn. of Ceylon, 1910, pp 32, 48 and 81; Spol. Zeylan. 1911, p 205; Acton and Knowles, Jourl. Ind. Med. Res. 1914, p 53; Annandale, J.A.S., Beng., 1905, p 176; Bannerman, Bomb. N. H. J. Vol XVI, pp 363, 407 and 638; l. c. Vol XVII p 1031; l. c. Vol XVIII, p 208; Jourl. Ind. Med. Res. 1914, p 149, Bannerman and Pocha, Bomb. N. H. J. Vol XXI, p 1337; Barnard, Spol. Zeylan. 1910, p 174; Bassett-Smith, Bomb. N.H.J. Vol XI, p 546; Beddard, P. Z. S. 1904, p 359; Bobeau, Spol. Zeylan. 1913, p 16, Boulenger, Cat. Vol III, 1896, p 380; Brook-Fox, Bomb. N. H. J. Vol XVI, p 369; Fraser, Bomb. N. H. J. Vol VIII, p 307; George, Bomb. N. H. J. Vol XV, p 174; Goring-Jones.

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Line 8, for *HYDROPHIINÆ* read *ELAPINÆ*.

Line 9, expunge genus *Hydrus* Schneider.

Bomb. N. H. J. Vol XIII, p 376; Luard, Bomb. N. H. J. Vol. XXV. p 510; Levett-Yeats, Bomb. N. H. J. Vol XXIV, p 370; Millard, Bomb. N. H. J. Vol XIV, p 395; Mitchell and Pocock P. Z. S. 1907, p 791; Pearless, Spol. Zeylan. 1909, p 54; Sarasin, Zool. Jahr. Jena. 1910, p 132; Sclater, List. Sn. Ind. Mus. 1891, p 59; Smith, Bomb. N. H. J. Vol XXII, p 789; Wall and Evans, Bomb. N. H. J. Vol XIII, pp 348 and 617; Wall, Bomb. N. H. J. Vol XV, p 524; l. c. Vol XVI, pp 313 and 395; l. c. Vol XVII, pp 126 and 299; l. c. Vol XVIII, p 330; l. c. Vol XIX, pp 355 and 840; l. c. Vol XX, p 1042a; l. c. Vol XXII, p 243; l. c. Vol XXVI, p 575; Spol. Zeylan. 1905, p 3; l. c. 1921, p 402; Ind Med. Gaz. 1909; Pois., Sn. Brit. Ind. 1907, p 22; l. c. 1908, p 28; l. c. 1913, p 26; Oph. Tap. 1921, p 459; Watson, Bomb. N. H. J. Vol XXV, p 510.

N. sputatrix. Evans, Bomb. N. H. J. Vol XVI, p 170.

N. oxiana. Wall, Bomb. N. H. J. Vol XXI, p 141.

N. naia oxiana (Eichwald.) *Eichwald's Cobra.*

Length.—1,525 mm. (5 feet).

Lepid.—Costals. 21 (rarely 19) in midbody. Ventrals. 185 to 213. Subcaudals. 60 to 70.

Distn.—Punjab. Baluchistan. N. W. Frontier. Afghanistan. Transcaspia

N. naia sputatrix (Boie.) *Boie's Cobra.*

Length.—1525 mm. (5 feet).

Lepid.—Costals. 19 to 21 in midbody. Ventrals. 163 to 191. Subcaudals. 44 to 49.

Distn.—Burma. Malay Peninsula. Indo-China? S. China. Malay Archipelago.

N. naia caeca (Gmelin.) *Gmelin's Cobra.*

Length.—2,135 mm. (7 feet).

Lepid.—Costals. In from 21 to 25 rows in midbody (23 to 25 in South India and Ceylon, 21 to 23 in the Central Provinces and further North) Ventrals. 176 to 200. Subcaudals. 50 to 64.

Distn.—Ceylon. Peninsular India. To Punjab. and Sind. Himalayas. Up to 5,000 feet. Bengal. Assam. Burma.

N. naia fasciata (Gray.) *Gray's Cobra.*

Length.—1,970 mm. (6 feet, 5½ inches).

Lepid.—Costals. In from 21 to 23 rows in midbody. Ventrals 177 to 194. Subcaudals. 51 to 62.

Distn.—E. Himalayas. Bengal. Assam. Burma. Indo-China. S. China.

Genus.—HEMIBUNGARUS *Peters.*

290. (476) **Hemibungarus nigrescens** (Günther.) *Günther's Coral Snake.*

Callophis nigrescens. Boulenger, Faun. Brit. Ind. Rept. 1890, p 384; Ferguson, Bomb. N. H. J. Vol X, p 74; Sclater, List. Sn. Ind. Mus. 1891, p 56.

Hemibungarus nigrescens. Boulenger, Cat. Vol III, 1896, p 394; Sarasin, Zool. Jahr. 1910, p 138; Wall, Bomb. N. H. J. Vol XVII, p 309; Vol XXII, p 638; l. c. Vol XXVI, p 576; Pois. Sn. Brit. Ind. 1907, p 32; l. c. 1908, p 40; l. c. 1913, p 37.

Length.—1,220 mm. (4 feet).

Lepid.—Ventrals. 218 to 252. Subcaudals. 30 to 44.

Distn.—Hills of S. India. From the vicinity of Poona to Travancore Ganjam Hills.

Genus.—CALLIOPHIS Gray.

291. (474) **Calliophis trimaculatus** (Daudin.) *The Slender Coral Snake.*

C. trimaculatus. Boulenger, *Cat. Vol III*, 1896, p 397; D'Abreu *Bomb. N. H. J. Vol XXII*, p 634; Phipson, *Bomb. N. H. J. Vol II*, p 248; Sarasin, *Zool. Jahr. Jena*, 1910, p 131; Sclater, *List. Sn. Ind. Mus.* 1891, p 56; Vidal, *Bomb. N. H. J. Vol V*, p 66; Wall, *Bomb. N. H. J. Vol XVII*, p 307; *Spol. Zeylan.* 1910, p 37; *Pois., Sn. Brit. Ind.* 1907, p 30; *l. c.* 1908, p 38; *l. c.* 1913, p 35; Willey, *Spol. Zeylan.* 1903, p 84; *l. c.* 1906, p 233.

Lepid.—Ventrals. 228 to 274. Subcaudals. 24 to 36.

Distn.—Ceylon. Trincomalee. Tissamaharana. Matale. Peninsular India. Madras. Trichinopoly. Travancore. Anamalais. Mahableshwar. Walayar. Colaba. Bandora. Nagpur. Bengal. Jalna. Nerva.

292. (475) **Calliophis maculiceps** (Günther.) *The Small-spotted Coral Snake.*

Call ophis maculiceps. Boulenger, *Cat. Vol III*, 1896, p 397; Sclater, *List. Sn. Ind. Mus.* 1891, p 56; Wall and Evans, *Bomb. N. H. J. Vol XIII*, pp 344 and 612; Wall, *Bomb. N. H. J. Vol XVII*, p 308; *Pois., Sn. Brit. Ind.* 1907, p 31; *l. c.* 1908, p 39; *l. c.* 1913, p 36.

Length.—485 mm. (1 foot, 7 inches)

Lepid.—Ventrals. 178 to 205. Subcaudals. 20 to 32.

Distn.—Burma. Rangoon. Moulmein. Kawkaireit. Amherst. Malay Peninsula. Indo-China.

293. (477) **Calliophis maclellandi** (Reinhardt). *McClelland's Coral Snake.*

Call-ophis maclellandi. Acton and Knowles, *Jourl. Ind. Med. Res.* 1914, p 56; Annandale, *Rec. Ind. Mus.* 1912, pp 37, 50 and 54. Boulenger, *Cat. Vol III*, 1896, p 398; P. Z. S. 1899, p 166; Sclater, *List. Sn. Ind. Mus.* 1891, p 56; Venning, *Bomb. N. H. J. Vol XX*, pp 342, and 775; Wall and Evans, *Bomb. N. H. J. Vol XIII*, p 611; Wall, *Bomb. N. H. J. Vol XVII*, p 306; *l. c. Vol XVIII*, pp 333 and 780; *l. c. Vol XIX*, pp 266, 356, and 842; *l. c. Vol XXII*, p 693; *l. c. Vol XXV*, p 628; *Pois., Sn. Brit. Ind.* 1907, p 29; *l. c.* 1908, p 36; *l. c.* 1913, p 34.

Length.—812 mm. (2 feet, 8 inches).

Lepid.—Ventrals 182 to 244. Subcaudals. 20 to 36.

Distn.—Variety *nigriventer* Wall. Western Himalayas. Kasauli. Variety *univirgatus* Günther. Eastern Himalayas. Nepal. Sikkim. Variety *gorei* Wall. Assam. Jaipur. Burma. Manipur. Variety *typicus* Reinhardt. Assam. Abor Hills. Khasi Hills. Naga Hills. Sibisagar. Burma. N. Chin Hills. Manipur. Pegu Yomas. S. Shan States. Indo-China. S. China. Formosa.

294. (478) **Calliophis bibroni** (Jan.) *Bibron's Coral Snake.*

Call-ophis bibroni. Boulenger, *Cat. Vol III*, 1896, p 399; Ferguson *Bomb. N. H. J. Vol X*, p 386; Sarasin, *Zool. Jahr. Jena*, 1910, p 138; Wall, *Bomb. N. H. J. Vol XVII*, p 305; *l. c. Vol XXVI*, p 575; *Pois., Sn. Brit. Ind.* 1907, p 28; *l. c.* 1908, p 35; *l. c.* 1913, p 33.

Length.—775 mm. (2 feet, 6½ inches).

Lepid.—Ventrals. 219 to 228. Subcaudals. 25 to 39.

Distn.—Western Ghats. Nilgiris. Wynad. Travancore.

Genus.—*DOLIOPHIS* Girard.

295. (Nil.) ***Doliophis bivirgatus*** (Boie). *The White-striped Coral Snake.*
Doliophis bivirgatus. Boulenger, *Cat. Vol III*, 1896, p. 400; Wall, *Bomb. N. H. J. Vol XVII*, p. 70; Pois., *Sn. Brit. Ind.* 1907, p. 21; l. c. 1908, p. 27; l. c. 1913, p. 25;
Lepid.—Ventrals. 244 to 295. Subcaudals. 34 to 53.
Distn.—Burma. Malay Peninsula. Cochin-China. Malay Archipelago. Sumatra. Borneo. Java.
296. (479) ***Doliophis intestinalis*** (Laurenti.) *The Belted Coral Snake.*
Doliophis intestinalis. Boulenger, *Cat. Vol III*, 1896, p. 401; Wall *Bomb. N. H. J. Vol XVII*, p. 71; Pois., *Sn. Brit. Ind.* 1907, p. 22; l. c. 1908, p. 28; l. c. 1913, p. 26.
Distn.—Upper Burma. Malay Peninsula. Indo-China. Malay Archipelago. Sumatra, Borneo, Java, Celebes.

Family 8.—*AMBLYCEPHALIDÆ*.

Genus.—*AMBLYCEPHALUS* Kuhl.

297. (514) ***Amblycephalus monticola*** Cantor. *Cantor's Slug Snake.*
Annandale, J. A. S., Beng., 1905, p. 176; *Rec. Ind. Mus.* 1912, pp. 37, 50 and 54; Boulenger, *Cat. Vol III*, 1896, p. 443; Sclater, *List Sn. Ind. Mus.* 1891, p. 66; Wall, *Bomb. N. H. J. Vol XVIII*, p. 334; l. c. *Vol XIX*, pp. 356 and 843.
Length.—705 mm. (2 feet, 3 $\frac{3}{4}$ inches).
Lepid.—Ventrals. 181 to 198.
Distn.—Eastern Himalayas. Sikkim. Assam. Sibsagar. (Ind. Mus.) Jaipur. (F. W.). Hills North and South of the Bramaputra.
Note.—I have examined de Roepstorff's specimen in the Indian Museum labelled "Nicobars", and can confirm the identification, but I doubt the locality. (*Vide note to Polyodontophis sagittarius.*)
298. (Nil.) ***Amblycephalus moellendorffi*** (Boettger.) *Boettger's Slug Snake*
Boulenger, Cat. Vol III, 1896, p. 443; Sclater, *List. Sn. Ind. Mus.* 1891, p. 67.
Lepid.—Ventrals. 136 to 159. Subcaudals. 31 to 50.
Distn.—Burma. Tenasserim. (Ind. Mus.) Siam. (Malcolm-Smith.) Cochin China, S. China, and Coastal Islands.
Note.—I have examined the Tenasserim specimen in the Indian Museum and can confirm the identification.
299. (Nil.) ***Amblycephalus hamptoni*** Boulenger. *Hampton's Slug Snake.*
Boulenger, Bomb. N. H. J. Vol XVI, p. 236.
Type.—In the British Museum from Burma.
Length.—555 mm. (1 foot, 9 $\frac{3}{4}$ inches). Tail, 150 mm. (5 $\frac{7}{8}$ inches).
Lepid.—Ventrals. 202. Subcaudals. 96.
Distn.—Burma. Mogok. (Lat. 23°. Long. 96°5')
300. (518) ***Amblycephalus macularius*** (Theobald.)
A. macularius Boulenger, *Cat. Vol III*, 1896, p. 444. Sclater *List. Sn. Ind. Mus.* 1891, p. 67. Wall *Rec. Ind. Mus.* 1909, p. 149; l. c. *Vol XXIV*, p. 24.
A. modestus. Boulenger, *Cat. Vol III*, 1896, p. 444; Sclater, *List Sn. Ind. Mus.* 1891, p. 66.

A. andersoni. Boulenger, *Cat. Vol III*, 1896, p 444; *Bom. N.H. J. Vol. XVI*, p 235; *Wall and Evans. Bom. N.H.J. Vol XIII*, p 61; *Wall. Bomb. N.H.J. Vol XVIII*, p 783.

Type.—In the British Museum. Co-types in the Indian Museum.
Length.—419 mm. (1 foot, $4\frac{1}{2}$ inches). Tail, 60 mm. ($2\frac{3}{8}$ inches).

Lepid.—Ventrals, 161 to 170. Subcaudals, 40 to 51.

Distn.—Burma, Tenasserim. (Martaban.)

Note.—I have examined four examples.

301. (Nil.) *Amblycephalus carinatus* Boie. *Boie's Slug Snake*.

Boulenger, Cat. Vol III, 1896, p 445; *Sclater, List. Sn. Ind. Mus.* 1891 p 67.

Length.—603 mm. (1 foot, $11\frac{3}{4}$ inches). Tail, 120 mm. ($4\frac{3}{4}$ inches).

Lepid.—Ventrals, 161 to 199. Subcaudals, 53 to 92.

Distn.—Burma, Tenasserim, Mergui, Tavoy, Burma-Siam Hills. (Ind.) Mus.) *Siam*. (Malcolm-Smith.) *Cochin-China*. Lao Mountains (Brit. Mus.). *Malay Archipelago*. Sumatra. (Ind. Mus.) Java. (Brit. Mus.)

Note.—I have examined nine specimens in the Indian Museum.

Family.—VIPERIDÆ.

Sub-family.—VIPERINÆ.

Genus.—AZEMIOPS Boulenger.

302. (519) *Azemiope feæ* Boulenger. *Fea's Viper*.

Azemiope feæ. Boulenger, *Cat. Vol III*, 1896, p 471; *Wall, Bomb. N. H. J. Vol XVII*, p 332; *Pois, Sn. Brit. Ind.* 1907, p 56; *l. c.* 1908, p 67; *l. c.* 1913, p 65.

Distn.—Burma, Kachin Hills.

Genus.—VIPERA * *Laurenti*.

303. (521) *Vipera lebetina* (Linné.) *The Levantine Viper*.

Vipera lebetina. Boulenger, *Cat. Vol III*, 1896, p 487; *P. Z. S.* 1919, p 306; *Sclater, List. Sn. Ind. Mus.* 1910, p 68; *Wall, Bomb. N. H. J. Vol XVII*, p 331; *Pois. Sn. Brit. Ind.* 1907, p 55; *l. c.* 1908, p 65; *l. c.* 1913, p 62.

Lepid.—Subcaudals, 26 to 51.

Distn.—N. W. India, Kashmir, Baluchistan, Afghanistan, Persia, Mesopotamia, Syria, Transcaspia, Asia Minor, Greek Archipelago, Cyprus, N. Africa, Egypt, Tunis, Algeria, Morocco.

304. (520) *Vipera russelli* (Shaw). *Russell's Viper*.

Daboia elegans. Brook-Fox, *Bomb. N. H. J. Vol VIII*, p 565; *Phipson, Bomb. N. H. J. Vol II*, p 248; *Traill, Bomb. N. H. J. Vol VIII*, p 316.

*Stejneger (Herp., Japan, 1907, p. 443) shows that the type of Linné's *Coluber* is the common British Viper, and that this snake should be known as *Coluber berus* instead of *Vipera berus*. Correct as this appears to be I think the matter should be put up for a decision from an international tribunal before admitting such a drastic change in nomenclature. It would be extremely inconvenient to change the name of the genus in this instance, as it would necessitate substituting the name *Colubridæ* for the family all herpetologists have accustomed themselves to know as *Viperidæ*. The confusion such a proposition would create would be immense for all time. Herpetologists for many decades have accustomed themselves to speak of the Colubrine as opposed to the Viperine snakes, and past literature would become most perplexing if the old names are to be reversed, and Viperine snakes are in future to be known as Colubrine.

Daboia russellii. *Bannerman, Bomb. N. H. J. Vol XV, p 406.*
Vipera russellii. *Abercromby, Sn. of Ceylon, 1910, pp 29, 48 and 52; Spol. Zeylan. 1911, p 206; l. c. 1913, p 144; Acton and Knowles, Jourl. Ind. Med. Res. 1914, p 56; Bannerman, Bomb. N. H. J. Vol XVI, p 363; l. c. Vol XVII, p 808, l. c. Vol XVIII, p 208; Bassett-Smith, Bomb. N. H. J. Vol XI, p 546; Cholmondeley, Bomb. N. H. J. Vol XII, p 765; Dreckman, Bomb. N. H. J. Vol XVIII, p 435; Fenton, Bomb. N. H. J. Vol XX, p 173; Ferguson, Bomb. N. H. J. Vol X, p 75; Fletcher, Spol. Zeylan. 1908, p 100; Millard, Bomb. N. H. J. Vol XIV, pp 396 and 614; Mosse, Bomb. N. H. J. Vol XV, p 134; Pearless, Spol. Zeylan. 1909, p 54; Rao, Bomb. N. H. J. Vol XXV, p 307; Sarasin, Zool. Jahr. Jena. 1910, p 131; Sclater, List. Sn. Ind. Mus. 1891, p 67; Wall and Evans, Bomb. N. H. J. Vol XIII, pp 353 and 620; Wall, Bomb. N. H. J. Vol XV, p 526; l. c. Vol XVI, pp 34 and 374; l. c. Vol XVII, p 328; l. c. Vol XVIII, p 1; l. c. Vol XXVI, p 575; Spol. Zeylan. 1905, p 147; Pois. Sn. Brit. Ind. 1907, p 52; l. c. 1908, p 62; l. c. 1913, p 59; Oph. Tap. 1921, p 504.*

Length.—1,677 mm. (5 feet, 6 inches).

Lepid.—Ventrals. 153 to 180. Subcaudals. 41 to 64.

Distn.—Ceylon. *Peninsular India*. Excluding the Ganges Valley, North-West to Sind and Baluchistan. *Western Himalayas*. Kulu to Western limit of Nepal. *Bengal. Burma. Siam.*

Note.—In my book on the Poisonous Snakes of British India I included the Eastern Himalayas within its range of distribution. It is a mistake which I have since rectified (Oph. Tap. 1921, p 528).

Genus.—*ECHIS Merrem.*

305. (522) *Echis carinata* (Schneider.) *The Saw-scaled Viper.*

E. carinata. *Acton and Knowles, Jourl. Ind. Med. Res. 1914, p 48; Bannerman, Bomb. N. H. J. Vol XX, p 406; Boulenger, Cat. Vol III, 1896, p 505; Branford, Bomb. N. H. J. Vol XXIII, p 378; Candy, Bomb. N. H. J. Vol V, p 85; Dymock, Bomb. N. H. J. Vol VI, p 454; Heath, Bomb. N. H. J. Vol XII, p 784; Jolly, Bomb. N. H. J. Vol XXI, p 1340; Major, Bomb. N. H. J. Vol XXV, p 308; Millard, Bomb. N. H. J. Vol XVI, p 758; Mosse, Bomb. N. H. J. Vol XXI, p 1339; Phipson, Bomb. N. H. J. Vol II, p 248; Reinhold, Bomb. N. H. J. Vol XX, p 524; Sarasin, Zool. Jahr. Jena. 1910, pp 135 and 144; Sclater, List. Sn. Ind. Mus. 1891, p 69; Vidal, Bomb. N. H. J. Vol V, p 92; Wall, Bomb. N. H. J. Vol XIII, p 184; l. c. Vol XVII, p 323; l. c. Vol XVIII, pp 526 and 804; l. c. Vol XIX, p 266a; l. c. Vol XX, p 1042a; l. c. Vol XXIII, p 377; l. c. Vol XXVI, p 575; Ind. Med. Gaz. Aug. 1909; Pois. Sn. Brit. Ind. 1907, p 47; l. c. 1908, p 57; l. c. 1913, p 54; Oph. Tap. 1921, p 531; Whistler, Bomb. N. H. J. Vol XXIV, p 607; Young, Bomb. N. H. J. Vol XVI p 504.*

Length.—915 mm. (2 feet, 6 inches).

Lepid.—Ventrals. 132 to 195.

Distn.—Ceylon. Mullaitivu. (Ferguson.) *Peninsular India*. Except a small tract West of the Western Ghats and South of Karwar; and the Ganges Valley. *Sind. Baluchistan. Afghanistan. Transcaspia. Persia. Arabia. Africa.* North of the Equator.

Genus.—ERISTOCOPHIS *Alcock and Finn.*306. (Nil.) **Eristocophis mcMahoni** Alcock and Finn. *McMahon's Viper.*

Eristocophis mcMahoni. Alcock and Finn, J. A. S., Beng., 1896, p 564; Annandale, J. A. S., Beng., 1904, p 211; McMahon, Bomb. N. H. J. Vol XVIII, p 945; Wall, Bomb. N. H. J. Vol XVII, p 326; l. c. Vol XX, p 1042 a; Pois. Sn. Brit. Ind., 1907, p 50; l. c. 1908, p 60; l. c. 1913, p 57.

Types.—In the British and Indian Museums from the Perso-Baluchistan borders.

Length.—610 mm. (about 2 feet).

Lepid.—Costals 25 to 27 in midbody. Ventrals 132 to 143. Subcaudals 27 to 32.

Distn.—Baluchistan. Persia. Afghanistan. Desert, South of Helmund. (Brit. Mus.)

Genus.—PSEUDOCERASTES *Boulenger.*307. (Nil.) **Pseudocerastes bicornis** Wall. *Smith's Horned Viper.*

Pseudocerastes bicornis. Wall, Pois. Sn. Brit. Ind. 1913, p 64.

Type.—From Kajuri Kach, Waziristan. In the Bombay collection.

Length.—618 mm. (2 feet and $\frac{1}{4}$ of an inch). Tail, 76 mm. (3 inches).

Lepid.—Costals. Two heads-lengths behind the head 24, midbody 21.

Note.—Only the head and anterior part of the body are preserved, but Major O. A. Smith has given me details of the whole snake. He omitted to count the ventrals and subcaudals. He tells me that he showed the specimen to Mr. Boulenger who decided that it was not the next species (*P. persicus*).

Distn.—Waziristan. Kajuri Kach.

308. (Nil.) **Pseudocerastes persicus** (Dumeril and Bibron.) *The Perso-Baluch Horned Viper.*

Pseudocerastes persicus. Annandale, J. A. S., Beng., 1904, p 211; Boulenger, Cat. Vol III, 1896, p 501; Wall, Pois. Sn. Brit. Ind., 1908, p 66; l. c. 1913, p 63;

Lepid.—Costals. Two heads-lengths behind the head 23, midbody 23 to 25, two heads-lengths before the vent 19. Ventrals. 145 to 158. Subcaudals. 34 to 49.

Distn.—Baluchistan. Kacha Thana. Sib. Putak. Manquli. Cach-Zar. (Bombay colln.) Persia.

Genus.—ANCISTRODON *Beauvois.*309. (524) **Ancistrodon hypnale** (Merrem.) *Merrem's Hump-nosed Viper.*

Hypnale nepa. Phipson, Bomb. N. H. J. 1887, p 249.

Ancistrodon hypnale. Abercromby, Sn. of Ceylon, 1910, pp 46 and 69; Spol. Zeylan. 1911, p 205; l. c. 1913, p 144; Boulenger, Cat. Vol III, 1896, p 528; Ferguson, Bomb. N. H. J. Vol X, p 76; Pearlless Spol. Zeylan. 1909, p 54; Sarasin, Zool. Jahr. Jena, 1910, p 128; Slater, List. Sn. Ind. Mus. 1891, p 70; Wall, Bomb. N. H. J. Vol XVII, p 312; Spol. Zeylan. 1921, pp 403 and 406; Oph. Tap. 1921, p 549.

Ancistrodon millardi. Wall, Bomb. N. H. J. Vol XVIII, p 792; l. c. Vol XXVI, p 578; Pois. Sn. Brit. Ind. 1907, p 35; l. c. 1908, p 43; l. c. 1913, p 41.

Length.—483 mm. (1 foot, 7 inches).

Lepid.—Ventrals. 136 to 157. Subcaudals. 30 to 47.

Distn.—Ceylon. Western Ghats. Belgaum to Travancore.

Note.—When describing *A. millardi* I had not seen Merrem's description

of *hypnale*. The snake I found so common at Hakgalla I erroneously concluded must be *hypnale* and in consequence I have reversed the names of this and the next species in previous publications.

310. (Nil.) **Ancistrodon millardi** Wall. *Millard's Hump-nosed Viper*.

Ancistrodon hypnale. Wall, *Spol. Zeylan*. 1905, p 146; *Pois Sn. Brit. Ind.* 1908, p 45; l. c. 1913, p 43.
Ancistrodon millardi. Wall, *Oph. Tap.* 1921, p 554.
Length.—387 mm. (1 foot, 3½ inches).
Lepid.—Ventrals, 116 to 138. Subcaudals, 27 to 39.
Distn.—Ceylon.

311. (523) **Ancistrodon himalayanus** (Günther.) *The Himalayan Pit Viper*.

A. himalayanus. Acton and Knowles, *Jourl. Ind. Mad. Res.* 1914, p 47; *Boulenger, Cat. Vol III*, 1896, p 526; *Boyd, Bomb. N. H. J. Vol XX*, p 864; *Fenton, Bomb. N. H. J. Vol XIX*, p 1002; *Gleadow, Bomb. N. H. J. Vol XII*, p 577; *Slater, List. Sn. Ind. Mus.* 1891, p 69; *Wall, Bomb. N. H. J. Vol XII*, p 411; l. c. *Vol XVII*, p 311; l. c. *Vol XX*, p 65; l. c. *Vol XXI*, p 142; *Pois. Sn. Brit. Ind.* 1907, p 34; l. c. 1908, p 42; l. c. 1913, p 40.
Length.—648 mm. (2 feet, 1½ inches). 864 mm. (2 feet, 10 inches. *Stoliczka*.)
Lepid.—Ventrals, 143 to 175. Subcaudals, 32 to 52.
Distn.—The Himalayas. From Chitral to Sikkim. Assam? Khasi Hills. (*Jerdon*.)
Note.—I have raised doubts about the reliability of some of *Jerdon's* localities, notably *Trachischium monticola* and I think his authority for the Khasi Hills for this species calls for confirmation.

Genus.—TRIMERESURUS* *Lacepede*.

312. (534) **Trimeresurus macrolepis** Beddome. *Beddome's Pit Viper*.

Trigonocephalus macrolepis. *Ferguson, Bomb. N. H. J. Vol X*, p 77.
Trimeresurus macrolepis. *Boulenger, Faun. Brit. Ind. Rept.* 1890, p 431; *Slater, List. Sn. Ind. Mus.* 1891, p 73.
Lachesis macrolepis. *Boulenger, Cat. Vol III*, 1896, p. 560; *Sarasin, Zool. Jahr. Jena.* 1910, p 138; *Wall, Bomb. N. H. J. Vol XVII*, pp 6 and 314; *Pois. Sn. Brit. Ind.* 1908, p 37; l. c. 1908, p 47; l. c. 1913, p 45.
Lepid.—Ventrals, 133 to 143. Subcaudals, 44 to 56.
Distn.—Western Ghats. South of the Palghat gap. Anamalais to Tinnevely.

313. (533) **Trimeresurus trigonocephalus** (Daudin.) *The Ceylon Pit Viper*.

Trimeresurus anamallensis. *Phipson, Bomb. N. H. J. Vol II*, p 249.
Trimeresurus trigonocephalus. *Abercromby, Sn. of Ceylon*, 1910, pp 49 and 69; *Spol. Zeylan*. 1911, p 206; l. c. 1913, p 144; *Boulenger, Faun. Brit. Ind. Rept.* 1890, p 431; *Slater, List. Sn. Ind. Mus.* 1891, p 73; *Wall, Oph. Tap.* 1911, p 560.
Lachesis trigonocephalus. *Boulenger, Cat. Vol III*, 1896, p 559; *Pearless, Spol. Zeylan*. 1909, p 54; *Sarasin, Zool. Jahr. Jena.* 1910, p 127. *Wall, Bomb. N. H. J. Vol XVII*, p 321. *Pois. Sn. Brit. Ind.* 1907, p 45; l. c. 1908, p 55; l. c. 1913, p 52.

* This appears to be the correct name for this genus and I endorse *Steineger's* view (*Herp, Japan*, 1907, p 465).

Length.—1,320 mm. (4 feet, 4 inches) (Abercromby).

Lepid.—Ventrals. 145 to 170. Subcaudals. 53 to 69.

Distn.—Ceylon. Hills.

314. (526) **Trimeresurus strigatus** Gray. *The Horse-shoe Pit Viper*.

Trimeresurus cantoris. Boulenger, *Faun. Brit. Ind. Rept.* 1890, p 427; *Sclater, List. Sn. Ind. Mus.* 1891, p 70.

Lachesis strigatus. Boulenger, *Cat. Vol III*, 1896, p 549; *Sarasin, Zool. Jahr. Jena.* 1910, p 138; *Wall, Bomb. N. H. J. Vol XVII*, p 315; *l. c. Vol XXVI*, p 578; *Pois. Sn. Brit. Ind.* 1907, p 38; *l. c.* 1908, p 48; *l. c.* 1913, p 46.

Length.—483 mm. (1 foot, 7 inches).

Lepid.—Subcaudals. 31 to 42.

Distn.—Western Ghats. Bombay Hills. Nilgiris. Anamalais.

315. (532) **Trimeresurus anamallensis** (Günther.) Günther's *Pit Viper*.

Trimeresurus anamallensis. Boulenger, *Faun. Brit. Ind. Rept.* 1890, p 430; *Ferguson, Bomb. N. H. J. Vol X*, p 76; *Sclater, List. Sn. Ind. Mus.* 1891, p 73 (part) (except No 4122).

Lachesis anamallensis. Boulenger, *Cat. Vol III*, 1896, p 558; *Rao, Rec. Ind. Mus.* 1917, p 12; *Sarasin, Zool. Jahr. Jena.* 1910, p 138; *Wall, N. H. J. Vol XVII*, p 322; *l. c. Vol XXVI*, p 579; *Pois. Sn. Brit. Ind.* 1907, p 46; *l. c.* 1908, p 56; *l. c.* 1913, p 53.

Lachesis malabaricus. *Rao, Rec. Ind. Mus.* 1917, p 13.

Lachesis coorgensis. *Rao, Rec. Ind. Mus.* 1917, p 14.

Length.—1,017 mm. (3 feet, 4 inches).

Lepid.—Ventrals. 137 to 158. Subcaudals. 44 to 63.

Distn.—Hills of S. India. Travancore. Cochin. Anamalai. Palni. Shevaroy. Nilgiri. Wynad. Coorg. Bombay Ghats. (Mahableshwar. Bombay colln.)

316. (531) **Trimeresurus gramineus** (Shaw). *The Green Pit Viper or Bamboo Snake*.

Trimeresurus gramineus. Boulenger, *Faun. Brit. Ind. Rept.* 1890, p 429;

Sclater, List. Sn. Ind. Mus. 1891, p 72; *Wall and Evans, Bomb. N. H. J. Vol XIII*, pp 350 and 619.

Trimeresurus viridis. Blyth, *Andaman Islanders*, p 365.

Trimeresurus anamallensis. *Sclater, List. Sn. Ind. Mus.* 1891, p 73 (part, No 4122).

Lachesis gramineus. *Acton and Knowles, Jourl. Ind. Med. Res.* 1914, p 48; *Annandale, J. A. S., Beng.*, 1905, p 176; *Rec. Ind. Mus.* 1912 pp 37, 51 and 54; *Beddard, P. Z. S.* 1904, p 366; *Boulenger, Cat. Vol III*, 1896, p 554; *Rec. Ind. Mus.* 1913, p 338; *Dreckman, Bomb. N. H. J. Vol XVIII*, p 434; *Kinnear, Bomb. N. H. J. Vol XXI*, p 1336; *Sarasin, Zool. Jahr. Jena.* 1910, p 144; *Venning, Bomb. N. H. J. Vol XX*, p 343; *Wall, Bomb. N. H. J. Vol XVI*, p 536; *l. c. Vol XVII*, p 320; *l. c. Vol XVIII*, p 337; *l. c. Vol XIX*, pp 357, 758, 843 and 900; *l. c. Vol XXIII*, p 378; *l. c. Vol XXVI*, p 578; *Pois. Sn. Brit. Ind.* 1917, p 44; *l. c.* 1908, p 54; *l. c.* 1913, p 51.

Length.—1,135 mm. (3 feet, 8 inches).

Lepid.—Subcaudals. 45 to 75.

Distn.—Hills of Peninsular India. Himalayas. From Ladak to Sikkim, Assam. Hills and Plains. Burma, Hills and Plains. Tenasserim. Andamans. Nicobars. Cocos. Malay Peninsula. Indo-China. S. China. Formosa. Malay Archipelago. Sumatra. Java. Timor.